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Notes:

1. Untranslatable words are replaced with asterisks (****).
2. Texts in the figures are not translated and shown as it is.

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FULL CONTENTS

[Claim(s)]

[Claim 1] Surface makeup **** insect control material characterized by coming to stick surface dressed lumber on the substrate surface with the adhesives containing an insecticide.

[Claim 2] The thickness of surface dressed lumber is 0.15 - 1.2 mm. It comes out and is a certain insect control material according to claim 1.

[Claim 3] Insect control material according to claim 1 or 2 which is the tablet with which an insecticide uses a pyrethroid compound as an active ingredient.

[Claim 4] Insect control material according to claim 3 whose pyrethroid compound is PURARE thorin, empentrin, or SHIFENO thorin.

[Claim 5] Insect control material according to claim 1 or 2 which is the tablet whose insecticide uses a pyrethroid compound as an active ingredient, and is a kind or two sorts or more of mixtures with which adhesives are chosen from the group which consists of polyvinyl acetate emulsion, urea resin, and a melamine urea copolycondensation resin.

[Claim 6] When it is the method of sticking surface dressed lumber and sticks on the substrate surface with the adhesives containing an insecticide, it is 1 - 10 kg/cm². The manufacture method of the surface makeup **** insect control material characterized by sticking by applying pressure.

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to surface makeup **** insect control material.

[0002]

[Description of the Prior Art] Although the medically important insect in a house, unpleasant vermin, etc. are prevented now, generally spraying of the medicine is made, but there are difficult places of spraying of a medicine, such as back, a crevice, etc. between furniture, or the insect-pest-control methods other than a chemical spray are searched for from the Reasons of there being a place where spraying of a medicine is not liked like a kitchen. By the way, the substrate surfaces used for kitchen material, such as a dresser with sink, a gas range, and a range stand, a flooring material, a wallplate, ceiling material, etc., such as building materials, wood for fittings, and wood for furniture, have

many on which surface dressed lumber is stuck.

[0003]

[Means for Solving the Problem] When this invention manufactures such surface makeup **** material, it depends on having found out that the surface makeup **** material which has the insect control effect was manufactured by sticking surface dressed lumber on the substrate surface with the adhesives containing an insecticide. That is, surface dressed lumber offers the surface makeup **** insect control material which it comes to stick on the substrate surface with the adhesives containing an insecticide, and this invention is the thickness of surface dressed lumber. 0.15 - 1.2 mm The especially excellent insect control effect is acquired by carrying out.

[0004] Although the quality of the material in particular of the substrate used in this invention is not limited, the usual wood, plywood, a particle board, a fiberboard, laminate lumber, single plate laminate lumber, a metal plate, a stone, a chalk wall, an asbestos cement sheet board, mortar, etc. are mentioned, for example. moreover, as surface dressed lumber used for this invention A thrust board, cloth, a tissue, a resin film, minerals sheets (PVC sheeting etc.), In order to obtain the insect control effect which was excellent without having mentioned resin decorative sheets (melamine decorative sheet etc.) with breathability, metallic foil, the fragment fragment of fibers, wood flour, artificial ***** etc., and spoiling surface makeup nature, it is the thickness of surface dressed lumber. 0.15 - 1.2 mm Carrying out is desirable.

[0005] The pyrethroid compound which fitted use indoors although the kind in particular of insecticide made to contain in adhesives was not limited, For example, allethrin, lid RUSURIN, PURARE thorin, FURAME thorin, empentrin, FENO thorin, permethrin, SHIFENO thorin, SHIPERUME thorin, DEKAME thorin, Use of the tablet containing active ingredient compounds, such as TORAROME thorin, Dell Tamet Lynn, bifenthrin, Shih Trun, etofenprox, transformer full SURIN, cyclo pro thorin, acrinathrin, fenvalerate, esfenvalerate, and FURUSHITORINETO, is desirable. [the amount] although the amount of the insecticide used changes with kinds, use scenes, etc. of an insecticide for example, the case where a pyrethroid compound is used as an active ingredient compound -- inside of adhesives making it contain 0.05 to 5weight % -- 1m² of surface dressed lumber per -- making it the amount of active ingredient compounds 0.01 - 10 g -- desirable -- It is used so that it may be set to 0.5-5g.

[0006] The various adhesives used for usually sticking surface dressed lumber on a substrate as adhesives used in this invention can be used. For example, phenol system resin, resorcinol system resin, phenol melamine system resin, Urea resin, melamine system resin, a urea melamine copolycondensation resin, polyvinyl acetate emulsion, Although adhesives, such as epoxy system resin, a polyurethane system, a vinyl acetate ethylene copolymerization emulsion system, a polyvinyl alcohol system, an acrylic resin, a water polymer isocyanate system, alpha olefin maleic anhydride resin, and a rubber system, are mentioned When the tablet which uses a pyrethroid compound as an active ingredient as an insecticide is used, It is desirable to use a mixture with polyvinyl acetate emulsion, urea resin, or a melamine urea copolycondensation resin as adhesives, and especially the mixed rate has [within the limits of 7:3-3:7] about 5:5 desirable rate at a bulk density. In addition, in these adhesives, hardening agents, such as fabric sizes, such as wheat flour, starch, and carboxymethyl cellulose, ammonium chloride, ammonium phosphate, and ammonium acetate, can also be added further as occasion demands.

[0007] Although the insect control material of this invention is manufactured by sticking surface dressed lumber on the substrate surface using the adhesives containing an insecticide, when sticking, it usually applies pressure. This pressure is 1 - 10 kg/cm² from viewpoints, such as the durability of insect control effect, and homogeneity. It is desirable, especially surface dressed lumber pokes, and, in a board, a resin film, a resin decorative sheet, artificial ***** etc., in the case of paper, cloth, fibers, wood flour, etc., 5 - 8 kg/cm² and surface dressed lumber are 1 - 3 kg/cm². It is desirable.

[0008] [material] to the various noxious insects which can be prevented with the insecticide contained in adhesives although the insect control material of this invention is effective Especially, it is effective in prevention of the breeding and extermination of prostrate harmful Arthropoda, and as the example Cockroaches (Blattella germanica, Periplaneta fuliginosa, American cockroach, etc.) ants (a pharaoh's ant, Brachyponera chinensis, etc.) and Pentatomorpha (Diplonychus japonicus Vuillefroy --) House dust mites (a KENAGA acarid mite, Dermatophagoides farinae, etc.), such as the Scott bug, GEJI (GEJI, OOGEJI, etc.), centipedes (TOBIZUMUKADE, AOZUMUKADE, SESUJIAKAMUKADE, etc.), millipedes (YAKEYASUDE, AKAYASUDE, etc.), DANGOMUSHI (OKADANGOMUSHI etc.), a sow bug, etc. are mentioned. The insect control material of this invention is used for building materials, wood for fittings, wood for furniture, etc. which are used at the required various places of insect control, for example, are used for kitchen material, such as a dresser with sink, a gas range, and a range stand, a flooring material, a wallplate, ceiling material, etc.

[0009]

[Example] Next, although the example of manufacture and the example of an examination are given and this invention is explained in detail, this invention is not limited only to the following examples. In addition, in the following examples, a part expresses a weight part.

Example adhesives of manufacture (5:5 mixtures of polyvinyl acetate emulsion and urea resin) 200 copies, 80 copies of fabric sizes (wheat flour), one copy of hardening agent (ammonium chloride), water 20 Active ingredient compound of the insecticide later mentioned by a part and Table 1 The pasty liquid for plywood adhesion which consists of 2.7 copies was prepared. JIS both sides of standard 2 plywood (thickness 5.5mm) -- above-mentioned pasty liquid -- the amount of active ingredient compounds of an insecticide -- 1g/m² it becomes -- as Two Japanese oaks (thickness 0.2mm) which it applies, pokes to this coated surface, and are boards 110 degrees C, 7 kg/cm², and 60 Heat and pressure were carried out under the condition of a second, and the plywood for an examination was produced. Moreover, the plywood for comparison which does not contain an insecticide was also produced.

[0010] Plywood for an examination produced in the example of examination above-mentioned example of manufacture It cut to 10 cmx3cm and the seal of the cutting plane was carried out from paraffine. Three cut plywood was constructed and it was considered as the triangular form shelter. In the 20cm x 30cm x9cm examination container, the container into which the pellet for cockroaches and water went further the triangular form shelter containing an insecticide and the triangular form shelter for comparison which does not contain an insecticide was placed every piece of every other, and 20 Blattella germanica imagos (ten sexes each) were released. The number of fixing of the cockroach was counted 24 hours afterward, and the evasion effect was investigated. An examination

is 6 repetition *****. A result is shown in Table 1.

[0011]

[Table 1]

有効成分化合物	薬量 (g/m ²)	ゴキブリの分布数		忌避率 (%)
		防虫剤処理シルター	無処理シルター	
プラレトリン	1.0	0	120	100
エムペントリン	1.0	8	112	93
シフェノトリン	1.0	5	115	96

In the upper table, it asked for the evasion rate by the following formulas.

[Equation 1]

$$\text{忌避率} (\%) = 100 - \frac{\text{防虫剤処理シルター 内虫数} \times 100}{\text{防虫剤処理シルター 内虫数} + \text{無処理シルター 内虫数}}$$

The insect control material on which surface dressed lumber was stuck with the adhesives containing PURARE thorin, empentrin, and SHIFENO thorin showed the evasion effect which was excellent to the cockroach as shown in Table 1.

[0012]

[Effect of the Invention] Since the insect control material of this invention has an outstanding insect control effect, it is effective in prevention of the breeding and extermination of various noxious insects.

[Translation done.]